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- administering in a manner so as not to effect gene transfer an
5 effective amount of DNA in a pharmaceutically-acceptable vehicle to a patient
having allergy symptoms.

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8. A method for treating asthma symptoms in a patient, comprising the steps of:

administering in a manner so as not to effect gene transfer a therapeutically effective amount of DNA in a pharmaceutically-acceptable vehicle to a patient having asthma symptoms.

5 9. The method according to claim 8 wherein said DNA is administered sublingually in the form of a liquid drop.

10 10. The method according to claim 8 wherein said vehicle is selected from the group consisting of water, saline, albumin, or dextrose.

11. The method according to claim 8 wherein said effective amount of DNA is from about 0.00012 mg to about 0.003 mg DNA.

15 12. The method according to claim 8 wherein said effective amount of DNA is about 0.0006 mg of DNA.

13. The method according to claim 8 wherein said patient is a human.

20 14. The method of claim 8 wherein the DNA is administered by a route selected from the group consisting of sublingual, subcutaneous, intravenous, intramuscular and intrathecal administration

25 15. A method for treating symptoms of otitis media, comprising the step of:

topically administering in a manner so as not to effect gene transfer an effective amount of DNA in a pharmaceutically-acceptable vehicle to a patient having otitis media.

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CONT.

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16. The method according to claim 15, wherein said vehicle is selected from the group consisting of water, saline, albumin, ^N ~~or~~ ^{AND} dextrose.

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~~17.~~ The method according to claim 15, wherein said effective
5 amount of DNA is from about 0.00012 mg to about 0.003 mg DNA.

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~~18.~~

18. The method according to claim 15, wherein said effective amount of DNA is about 0.0006 mg of DNA.

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10 ~~19.~~ The method according to claim 18, wherein said patient is
a human.

20. The method of claim 15 wherein the DNA is administered in the form of eardrops.

Method of claim 15 where